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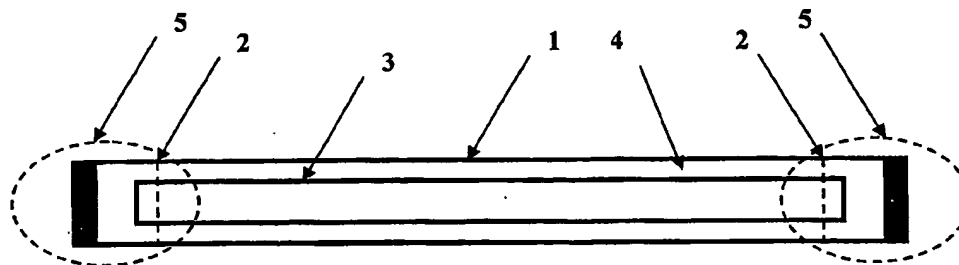
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SEALED CONTAINER



(57) Abstract: A sealed container stores fluid (4) in a sealed environment that can be easily released. The sealed container can be used as the body of a cotton swab and also for storing fluids (4) wherein the fluid (4) in the sealed container may be released into the cotton balls (5) attached to the ends of the cotton swab when desired. The sealed container is an elongated housing (1) with two ends that are sealed. An opening means in the form of a score (2) on the house (1) is located near each of the two ends. The housing can be divided into two compartments by the divider (6) that allows fluid (4) to move between them and may be used for the storage of evaporative fluids (4) such as solvents and alcohol without evaporation of the fluid (4).

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PCT INTERNATIONAL PATENT APPLICATION OF
GARRY TSAUR
FOR
SEALED CONTAINER

BACKGROUND-FIELD OF INVENTION

The present invention relates to a sealed container. More specifically, the present invention relates to a sealed container that may be used as the body of a cotton swab.

BACKGROUND-DESCRIPTION OF RELATED ART

Containers that enclose fluids to be stored and transported are often inconvenient to use and most requires an applicator or other tools to extract the fluid. Storage of fluids such as solvents and alcohol present a special consideration due to the evaporation of the fluids. Various designs exist for various applications. Containers may be as large as a tank for storing liquids such as water. Containers may also be as small as bottles for perfumes or smaller. Containers may also be made of various suitable materials for any particular environment and liquid.

The present invention is a small elongated sealed container that can be used as the body of a cotton swab and also for storing fluids wherein the fluid in the sealed container may be released into the cottons attached to the ends of the cotton swab when desired. The sealed container of the present invention is particularly suited for the storage of solvents, alcohol, and other fluids that evaporates easily.

SUMMARY OF THE INVENTION

The present invention is a sealed container that stores fluid in a sealed environment and is easily transportable. The contents of the sealed container can be easily extracted completely without any tools or contact with the user. The sealed container can be used as the body of a cotton swab and also for storing fluids wherein the fluid in the sealed container may be released into the cottons attached to the ends of the cotton swab when desired.

The sealed container of the present invention is an elongated sealed container with one or more opening means near its ends. The sealed container is divided into two compartments that allow fluid to move between them. The sealed container may be used for storage of fluids such as solvents and alcohol without evaporation of the fluid.

BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 shows the preferred embodiment of the sealed container with two opening means in the form of scores on the sealed container with an elongated tube that is open at both ends and is smaller in diameter and shorter in length than the sealed container inserted into the sealed container separating the sealed container into two cylindrical compartments.

Figure 2 shows another embodiment of the sealed container with two opening means in the form of scores on the sealed container with a divider separating the sealed container into two compartments.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

Figure 1 shows the preferred embodiment of the sealed container. The sealed container has an elongated housing 1 with two ends that are sealed. An opening means 2 in the form of a score on the sealed container is located near each of the two ends. An elongated tube 3 that is open at both ends and is smaller in diameter and shorter in length than the elongated housing 1 is inserted into the elongated housing 1 separating the elongated housing 1 into two cylindrical compartments. A fluid 4 is sealed within the elongated housing 1 until released through the opening means 2. In the preferred embodiment, a cotton ball 5 is attached to the ends of the sealed container enclosing the opening means 2 to absorb the fluid 4 when it is released from the sealed container.

Figure 2 shows another embodiment of the sealed container wherein the elongated housing 1 is divided into two compartments by a divider 6 that span across the width of the elongated housing 1 and is shorter than the length of the elongated housing 1 and which allows the movement of fluids 4 between the two compartments within the elongated housing 1 at both ends of the elongated housing 1.

The sealed container of the present invention allows a fluid 4 that evaporates easily, such as solvents and alcohol, to be stored in a sealed environment to prevent evaporation. The fluid 4 may be released easily through either one of the opening means 2 by simply breaking open the end at the scoring to allow the fluid 4 to flow into the cotton ball 5. Without the two compartment design of the present invention, the fluid 4 within the sealed container will not be released from the sealed container due to the small diameter of the sealed container and the resulting capillary action and atmospheric pressure, which will prevent the exit of the fluids 4 from the sealed container.

Although the description above contains many specificities, these should not be construed as limiting the scope of the invention but as merely providing illustrations of some

of the presently preferred embodiments of this invention. Thus the scope of the invention should be determined by the appended claims and their legal equivalents, rather than by the examples given.

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CLAIMS

What is claimed is:

1. A sealed container comprising:
a sealed elongated housing with one or more opening means;
a divider separating the sealed elongated housing into multiple compartments
that allows free flow of fluids between them;
wherein the sealed container may be used to store fluids until the fluid is
released through the opening means.
2. A sealed container as in claim 1, wherein the opening means is a scoring that
can be broken open to release the fluid in the sealed container.
3. A sealed container as in claim 1, wherein the fluids is alcohol.
4. A sealed container as in claim 1, wherein the opening means is covered with
an absorbent material such as a ball of cotton or a sponge.
5. A sealed container as in claim 2, wherein the opening means is covered with
an absorbent material such as a ball of cotton or a sponge.
6. A sealed container as in claim 3, wherein the opening means is covered with
an absorbent material such as a ball of cotton or a sponge.
7. A sealed container comprising:
a sealed elongated tube with one or more opening means;
an elongated tube that is open at both ends and is smaller in diameter and
shorter in length than the sealed elongated tube inserted into the sealed elongated tube
separating the sealed elongated tube into two cylindrical compartments;
wherein the fluids contained in the sealed elongated tube may move freely
between the two cylindrical compartments.

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8. A sealed container as in claim 7, wherein the opening means is a scoring that can be broken open to release the fluid in the sealed container.
9. A sealed container as in claim 7, wherein the fluids is alcohol.
10. A sealed container as in claim 7, wherein the opening means is covered with an absorbent material such as a ball of cotton or a sponge.
11. A sealed container as in claim 8, wherein the opening means is covered with an absorbent material such as a ball of cotton or a sponge.
12. A sealed container as in claim 9, wherein the opening means is covered with an absorbent material such as a ball of cotton or a sponge.

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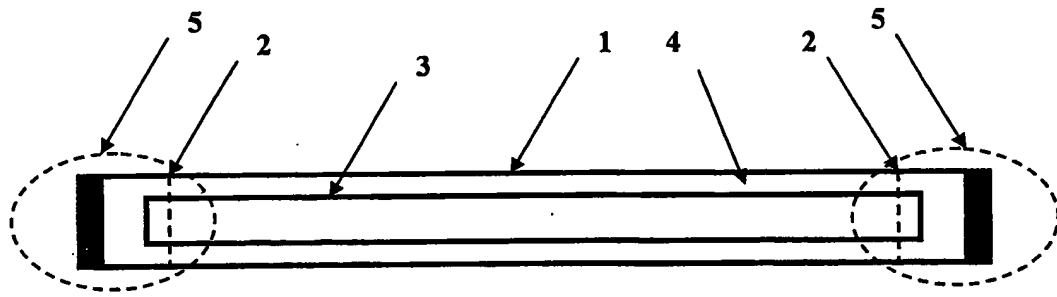


Figure 1

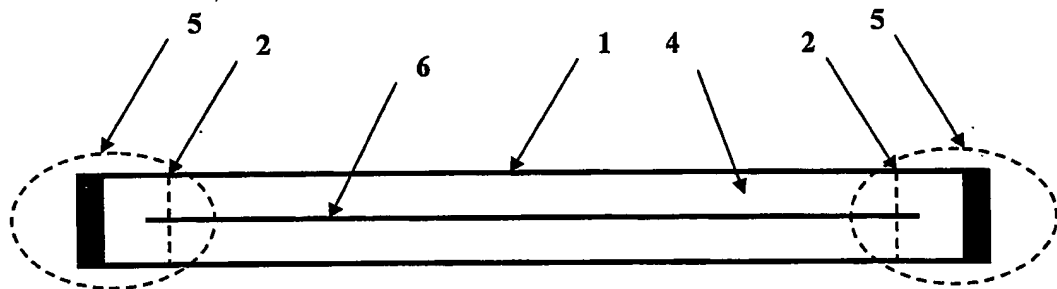


Figure 2

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/37644

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61B 10/00

US CL : 401/133; 604/1

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 401/133; 604/1

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4,903,708 A (SAINT-AMAND) 27 February 1990 (27.02.1990), Figures 10, 15, 21, 27, 33 and 36.	1, 4, 7, 12
X	US 5,704,906 A (FOX) 06 January 1998 (06.01.1998), Figures 1 and 2, column 1, lines 31-42, and column 2, lines 28-31.	1-12
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Y		2, 3, 5, 6, 8, 9, 11, 12

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance	*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"O" document referring to an oral disclosure, use, exhibition or other means	
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